Title (en)
INPUT DEVICE, CONTROL DEVICE, CONTROL SYSTEM, CONTROL METHOD, AND HANDHELD DEVICE

Title (de)
EINGABEVORRICHTUNG, STEUERUNGSVORRICHTUNG, STEUERUNGSSYSTEM, STEUERUNGSVERFAHREN UND TRAGBARE VORRICHTUNG DAFÜR

Title (fr)
DISPOSITIF D'ENTRÉE, DISPOSITIF DE COMMANDE, SYSTÈME DE COMMANDE, PROCÉDÉ DE COMMANDE ET DISPOSITIF PORTATIF

Publication
EP 2219099 A1 20100818 (EN)

Application
EP 08858000 A 20081204

Priority
• JP 2008072097 W 20081204
• JP 2007317303 A 20071207

Abstract (en)
[Object] To provide a 3-dimensional operation input apparatus, a control apparatus, a control system, a control method, and a handheld apparatus with which planar operations are possible without an increase in the number of components. [Solving Means] An input apparatus (1) includes an angular velocity sensor unit (15) and an acceleration sensor (16). A threshold value (Th3) is set to angular velocity values ($É_x$, $É_y$) detected by the angular velocity sensor unit (15). Depending on whether the angular velocity values ($É_x$, $É_y$) are smaller than the threshold value (Th3) (ST 1505) and whether at least one of acceleration values (a_x, a_z) is larger than a threshold value (Th4) (ST 1506), a switch can be made between a planar operation mode and a 3-dimensional operation mode. Therefore, a switch can be made between the planar operation mode and the 3-dimensional operation mode without having to use a sensor other than the acceleration sensor (16) and the angular velocity sensor (15) (without increasing the number of components).

IPC 8 full level
G06F 3/033 (2013.01); G06F 3/0346 (2013.01); G06F 3/0354 (2013.01)

CPC (source: EP KR US)
G06F 3/0346 (2013.01 - EP KR US); G06F 3/0484 (2013.01 - KR); H04Q 9/00 (2013.01 - KR)

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AL BA MK RS

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EP 2219099 A1 20100818; **EP 2219099 A4 20120321**; **EP 2219099 B1 20130605**; CN 101606119 A 20091216; CN 101606119 B 20160316; JP WO2009072583 A1 20110428; KR 20100086932 A 20100802; TW 200941301 A 20091001; US 2010321291 A1 20101223; US 8576168 B2 20131105; WO 2009072583 A1 20090611

DOCDB simple family (application)
EP 08858000 A 20081204; CN 200880004527 A 20081204; JP 2008072097 W 20081204; JP 2009544723 A 20081204; KR 20097015924 A 20081204; TW 97147512 A 20081205; US 52647308 A 20081204